

## Product datasheet for **RN217336**

### **Atg9b (NM\_001191968) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atg9b (NM_001191968) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atg9b
Synonyms:	RGD1560887
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

&gt;RN217336 representing NM\_001191968

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGAACGAATGGGGTGGGGGGGAGCAGGAGGCAGCGGGGCGGTGGGGAGACTTGGGGCCAGCT  
 CAGTGCCTCTGCTCCCTATGGCACTGCCACTGCCTGCTTCTCCGTGTCGGGGACTTGGGGAGGGAGGAT  
 CTCTGTCTTCTCTGTCCCTGCCCTCGTACAAGAAGCTGCTCCTCTTATTGTTCCCTCCACCTCA  
 GGGTCCCCCTCCCTGGTATTACAGGAGGCAGGGGCTTCTCAGCCTCCATTCAATGCCTTACCCACCCAG  
 CCACACCCCAACACAGGCCCTTCCACAATGACACACACCTCTGCTTCCCCCTCATGGGGTCCCCTC  
 CACCCACCCCTGGCCTCGTCACTCCCCCTCCCTCCTGCCGGTCCCCCAGGACCATCCTGGGCTGCGG  
 ATAGGCCCTCTGATCCCTGAGCAGGATTATGAAAGGCTAGAGGACTGTGACCCTGAGGGGTCTCAAGATT  
 CGTCTCGCCGTCATGGGAGGACCACCAACCTTTGCTCCATGTACCTGAAGGGCTCCGTGGCTCCTG  
 GCATCACATCCAGAACCTGGACAGTTTCTTCCCAAGATCTACAGCTATCACCAGCGGAACGGTTTTGCC  
 TGTATCCTGCTGGAGGATGCTTCCAGCTGGGACAGTTCATTTTTATTGTACCTTTACAACCTTCTCC  
 TTCGCTGCGTGGATTACAATGTTCTTCAACAACCAACCGAAGAACCATACAAGCCTGGGCCATTGCA  
 CAGCAAAGTGACCTTGTGAGATGCCATTCTACCCTCAGCCAGTGTGAGAGAAGATCCATGGCAGTCT  
 CTGTTGGTCTTCTCCTAGTCTTGGCTGCTGGCTTCTGGCTGTTTCAGCTGCTGCGCTCGGTCTGCAATC  
 TCTTACGTAAGTGGGACATCCAGGTGTTTTACAGGGAGGCCCTGCATATCCCCCAGAGGAGCTCAGCTC  
 GGTACCGTGGGCCGAGGTGCAGTCTCGCTCCTGGAGCTGCAGAGGAGCGGTGGGCTGTGTGTGCAGCCG  
 CGACCCGTCAGCAACTGGATGTCCATCACCGCATCCTGCGCTACACCAACTACCAGTGGCGCTGGCCA  
 ACAAGGCTGCTGCTGCCCTGCCCTGCCCTGGGGGGGAGTGCCTGCCTTCTTGTAGTCCGCGCCCT  
 GCGCTCAACGTGGACTTGTGCTCTTCCGAGGTCCTTCTCTTTTCCGCGGGGCTGGGAGCTTCCC  
 GAAGCCTACAAGCGCAGCGACCTCCGGGCGTCTGGCCACCCGTTGGCGGCGCACGGTGTGCTGCTGG  
 CCGCGTGAACCTTGGCGTGAAGCCGCTGGTGTGGCTTGGCAGGTAAGTGCACGCCTTCTACAGCCAGCT  
 GGAGTGTGCGGCGGAGCCCGGAGCCTTCCGAGCGCTCGCTGGTCCCGCTGGCCCGCTGCAGTTG  
 CGCCACTTAAACGAGTGCACGACGAGCTGCGTGCAGCCTGGCCGCGCCTACCGCCCGCCACCGCCT  
 TCCTCCGTGCAGCCGAGCCCCCGCCCTCCGTGCGTGTGGCCCGCAGCTGGTCTTCTTCTCCGG  
 TGCGCTCTTGGCGCTGTAGTCTCACCATCTATGATGAGGACGTGTGGCCGTGGAGCATGTGCTC  
 ACTACCATGACGCGCTCGGGTACAGCCACTGTGGCCAGTCTTCTTCCAGAGGAGCAATGTCAGG  
 GCGTTCCTCCAGCTTCTGCTGCAGGGGCCCTGGCACACATGCATTACCTCCAGAGGAGCCTGGTGC  
 AGCAGGTGCTCGGACCAGCTTACTGGCAGATGTACAGCTGCTTCAAGTACCGAGCAGTCTCCCTCCTG  
 GAAGAGCTCCTGTCTCCGCTCCTGACCCGCTGTTCTGCTCTTCTGGTCCGCCCCGCTGCTGTCAGA  
 TCATTGATTTTTTCCATCACTTCACTGTGGATGTGGTGGTGGTGGGACATCTGTTCTTTTGCCTTGAT  
 GGATGTGAAGCGTCATGGTACCCTCAGTGGCTTTCAGAGGGACAGACAGAGGCCCTACTCTCAGCGT  
 GCAGAGGATGAAAGACCGAACTCTCCTGATGCGGTTTTCCCTGGCACACCCACAATGGCAGCCACCAG  
 GGCACAGCTCTAAGTTCCTTGGACACCTTCGGGCGGGTACAACAAGATGCAGTGCCTGGGGTGTCC  
 CTCGACACGACGCCCCCACTCCAGGGTGTCTCAGTACTGTACCTCCCCTGCCAGAAGCCTTCTCTG  
 GCCAACCTCTTGGTGTGAGTCCCCGCCACCCAGAGGGACCTGAGCCCCAGGCTCCCTGCCCGCCGAG  
 CCACAGCCAGCCTCCTTGTCTATTTACGAATGGCCAGGACCCAGCTGTGTGTCTCCAGGAGGCAC  
 AGGGGGCCAGAAGCTGACCCAGCTCCCAGAGCTTGTCTGCTGAGATGAGCCTCCACGCCATTTACCTA  
 CATCAGCTTCAACAGCAGCAGCAGGAAGTATGGGAGAGGCTTACGCTTCTCCCATCCAGGCCCT  
 GGTCCAGCCCTTACAGCCAGGCTCACCAGATGAGGAGAAGCCGCTTGGTCAAGTGTGGTCCAGTCC  
 TGCTTCCAGCCCAAGACAGCAGTGGGGCACCCAGAGGGCCAGAATCTGTTCCCAAAGGATTTCCAGGAG  
 ACCACAGACGCCAGAAGGAGCCCTACCAGGCTCCTTGCACTGA

 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

<b>ACCN:</b>	NM_001191968
<b>Insert Size:</b>	2775 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u>NM_001191968.1, NP_001178897.1</u>
<b>RefSeq Size:</b>	2775 bp
<b>RefSeq ORF:</b>	2775 bp
<b>Locus ID:</b>	499973
<b>Cytogenetics:</b>	4q11